

SEQUENCE LISTING

<110> Braun, Jonathan
Sutton, Christopher L.

<120> IBD-Associated Microbial Nucleic Acid
Molecules

<130> P-PM 4966

<150> US 09/303,120

<151> 1999-04-30

<150> US 09/820,576

<151> 2001-03-28

<160> 10

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 302

<212> DNA

<213> Unknown

<220>

<223> Microbial Organism from the human gut

<221> CDS

<222> (2)...(301)

<400> 1

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Asp Leu Ala Ser Ala Val Gly Ile Gln Ser Gly Ser Ile Phe His His
1 5 10 15

ttc aag agc aag gat gag ata ttg cgt gcc gtg atg gag gaa acc atc 97
Phe Lys Ser Lys Asp Glu Ile Leu Arg Ala Val Met Glu Glu Thr Ile
20 25 30

cat tac aac acc gcg atg atg cgc gct tca ctg gag gag gcg agc acg 145
His Tyr Asn Thr Ala Met Met Arg Ala Ser Leu Glu Glu Ala Ser Thr
35 40 45

gtg cgc gaa cgc gtg ctg gcg ctg atc cgc tgc gag ttg cag tcg atc 193
Val Arg Glu Arg Val Leu Ala Leu Ile Arg Cys Glu Leu Gln Ser Ile
50 55 60

atg ggc ggc agt ggc gag gcc atg gcg gtg ctg gtc tac gaa tgg cgc 241
Met Gly Gly Ser Gly Glu Ala Met Ala Val Leu Val Tyr Glu Trp Arg
65 70 75 80

09966603.09.01

tat gag cag atc t	302
Tyr Glu Gln Ile	
100	

<220>
<223> Microbial organism from the human gut

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<211> 392
<212> DNA
<213> Unknown
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<221> CDS
<222> (2) ... (346)

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<400> 3
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    1             5             10             15
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<210> 5
<211> 114
<212> PRT
<213> Unknown
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<220>
<223> Microbial Organism from the human gut
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<221> VARIANT
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<223> Xaa = Any Amino Acid
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<400> 5
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Val Leu Tyr Ser His Gly Ala Thr Gln Glu Asp Ile Phe Ala Pro Cys
          20          25          30
Gln His Arg Arg Cys Gln Ile Thr Lys Ala Tyr His Glu Ala Arg Leu
          35          40          45
Val Glu Gln Ser Arg Arg Gln Arg Thr Ala Leu Gln His Pro His Gln
          50          55          60
Arg Leu Lys Leu Ser Arg Thr Pro Arg His Met Glu Asp Val Gly Cys
65          70          75          80
Val Ala Leu Thr Gly Gly Leu Gln Ala Ala Lys Asp Leu Ser His Gln
          85          90          95
Ser Thr Lys Thr Arg Tyr Ser Pro Ala Gly Gly His Arg Asp Gly Pro
          100          105          110
Xaa Val

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<210> 6
<211> 190
<212> PRT
<213> Clostridium pasteurianum
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<400> 6															
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1				5					10					15	
Ser	Asn	Asn	Gly	Tyr	Asn	Gly	Ala	Thr	Met	Asp	Glu	Ile	Ala	Ser	Asn
			20					25					30		
Ala	Gly	Val	Ala	Lys	Gly	Thr	Leu	Tyr	Tyr	His	Phe	Lys	Ser	Lys	Glu
		35					40					45			
Glu	Ile	Phe	Lys	Tyr	Ile	Ile	Glu	Glu	Gly	Val	Asn	Leu	Met	Lys	Asn
	50					55					60				
Glu	Ile	Asp	Glu	Ala	Thr	Asp	Lys	Glu	Lys	Thr	Ala	Leu	Glu	Lys	Leu
65					70					75					80
Lys	Ala	Val	Cys	Arg	Val	Gln	Leu	Asn	Leu	Ile	Tyr	Lys	Asn	Arg	Asp

<400> 8
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 1 5 10 15
 Lys Ile Leu Ser Ser Ala Leu Lys Leu Phe Ser Lys Lys Gly Phe Lys
 20 25 30
 Glu Thr Thr Ile Lys Asp Ile Ala Lys Glu Val Gly Ile Thr Glu Gly
 35 40 45
 Ala Ile Tyr Arg His Phe Thr Ser Lys Glu Glu Ile Ile Lys Ser Leu
 50 55 60
 Leu Glu Ser Ile Thr Lys Glu Leu Arg His Lys Leu Glu Val Ala Leu
 65 70 75 80
 Gln Arg Gly Glu Thr Asp Glu Glu Ile Leu Glu Ser Ile Val Asp Thr
 85 90 95
 Leu Ile Asp Tyr Ala Phe Ser Asn Pro Glu Ser Phe Arg Phe Leu Asn
 100 105 110
 Leu Tyr His Leu Leu Lys Glu Tyr Gly Glu Val Lys Asn Leu Pro Gly
 115 120 125
 Glu Leu Ile Leu Lys Phe Leu Asn Gly Leu Tyr Leu Lys Arg Lys Leu
 130 135 140
 Lys Thr Tyr Pro Glu Ile Ala Leu Ala Val Val Thr Gly Ser Val Glu
 145 150 155 160
 Arg Val Phe Ile Phe Lys Glu Arg Asn Phe Leu Asp Tyr Asp Glu Glu
 165 170 175
 Thr Ile Lys Lys Glu Leu Lys Lys Val Leu Lys Ser Ala Ile Leu Ala
 180 185 190

<210> 9
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 <212> DNA
 <213> Unknown
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 <223> Microbial Organism from the human gut

<400> 9
 ccgtgggcat ccagtccg 18

<210> 10
 <211> 19
 <212> DNA
 <213> Unknown

<220>
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<400> 10
 tctgtcata cacgtcacg 19